

**INFORMATION DISCLOSURE  
CITATION**

ATTY. DOCKET NO.

SERIAL NO.

620-320

10/501,474

APPLICANT

NEIDLE, S. et al.

(Use several sheets if necessary)

FILING DATE

GROUP

July 14, 2004

Unassigned

**U.S. PATENT DOCUMENTS**

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE

**FOREIGN PATENT DOCUMENTS**

	DOCUMENT	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
						YES	NO
NA	WO 02/08193 A1	01/2002	WIPO			X	
NA	DE 488 890	01/1930	Germany			Abstract	

**OTHER DOCUMENTS (including Author, Title, Date, Pertinent pages, etc.)**

Nh	Alberti, P., et al., 2002, "Benzoindoloquinolines Interact with DNA Tetraplexes and Inhibit Telomerase," <u>Biorganic &amp; Medicinal Chemistry Letters</u> , Vol. 12, pp. 1071-1074.
NA	Autexier, C., 1999, "Telomerase as a Possible Target for Anticancer Therapy," <u>Chemistry &amp; Biology</u> , Nov. 1999, Vol. 6, pp. R299-R303.
NA	Bogert, M.T., et al., 1930, "Researches in the Acridine Series. The Synthesis of Isomers of Proflavine and of Neutral Acriflavine," <u>Collect. Czech. Chem. Comm.</u> , Vol. 2, pp. 383-395.
Nh	Bostock-Smith, C.E., et al., 1999, "Molecular Recognition between a New Pentacyclic Acridinium Salt and DNA Sequences Investigated by Optical Spectroscopic Techniques, Proton Nuclear Magnetic Resonance Spectroscopy, and Molecular Modeling," <u>Biochemistry</u> , Vol. 38, No. 21, pp. 6723-6731.
Nh	Cain, B.F., et al., 1974, "Potential Antitumor Agents. 14. Acridylmethanesulfonanilides," <u>J. Med. Chem.</u> , Vol. 17, No. 9, pp. 922-930.
Nh	Cain, B.F., et al., 1976, "Potential Antitumor Agents. 17. 9-Anilino-10-methylacridinium salts," <u>J. Med. Chem.</u> , Vol. 19, No. 6, pp. 772-777.
Nh	Cain, B.F., et al., 1976, "Potential Antitumor Agents. 19. Multiply Substituted 4'-(9-Acridinylamino)methanesulfonanilides," <u>J. Med. Chem.</u> , Vol. 19, No. 9, pp. 1124-1129.
Nh	Carrasco, C., et al., 2002, "Tight Binding of the Antitumour Drug Ditercalcinium to Quaduplex DNA," <u>ChemBioChem</u> , Vol. 3, pp. 1235-1241.
Nh	Corey, D.R., 2002, "Telomerase Inhibition, Oligonucleotides, and Clinical Trials," <u>Oncogene</u> , Vol. 21, pp. 631-637.
Nh	Denny, W.A., et al., 1982, "Potential Antitumour Agents. 36. Quantitative Relationships between Experimental Antitumour Activity, Toxicity, and Structure for the General Class of 9-Anilinoacridine Antitumor Agents," <u>J. Med. Chem.</u> , Vol. 25, pp. 276-315.
Nh	Gamage, S.A., et al., 1994, "Synthesis and in Vitro Evaluation of 9-Anilino-3,6-diaminoacridines Active Against a Multidrug Resistant Strain of the Malaria Parasite Plasmodium falciparum," <u>J. Med. Chem.</u> , Vol. 37, No. 10, pp. 1486-1494.
Nh	Gimenez-Arnau, E. et al., 1998, "Antitumour Polycyclic Acridines, Part 2," <u>Anti-Cancer Drug Design</u> , Vol. 13, pp. 125-143.
Nh	Gimenez-Arnau, E., et al., 1998, "Antitumour Polycyclic Acridines, Part 4," <u>Anti-Cancer Drug Design</u> , Vol. 13, pp. 431-451.

\*Examiner

Date Considered

9/2-28-06

Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to application.

Form PTO-FB-A820 (Also PTO-1449)

<b>INFORMATION DISCLOSURE CITATION</b>	ATTY. DOCKET NO.	SERIAL NO.
	620-320	10/501,474
(Use several sheets if necessary)	APPLICANT	
	NEIDLE, S. et al.	
	FILING DATE	GROUP
	July 14, 2004	Unassigned
<b>U.S. PATENT DOCUMENTS</b>		

*EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE

**FOREIGN PATENT DOCUMENTS**

DOCUMENT	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
					YES	NO

**OTHER DOCUMENTS (including Author, Title, Date, Pertinent pages, etc.)**

NR	Goldberg, A.A. and Kelly, W., 1946, "29. Synthesis of Diaminoacridines. Part I," <u>J. Chem. Soc.</u> , p. 102-111.
	Goldstein, H., and de Simo, M., 1927, "Quelques derives de l'acide phenyl-anthranilique III," <u>Helv. Chim. Acta.</u> , Vol. 10, p. 603-606.
	Gomez, D., et al., 2002, "Detection of Telomerase Inhibitors Based on G-Quadruplex Ligands by a Modified Telomeric Repeat Amplification Protocol Assay," <u>Cancer Research</u> , Vol. 62, pp. 3365-3368.
	Gowan, S.M., et al., 2002, "A G-Quadruplex-Interactive Potent Small-Molecule Inhibitor of Telomerase Exhibiting in Vitro and in Vivo Antitumour Activity," <u>Molecular Pharmacology</u> , Vol. 61, No. 5, pp. 1154-1162.
	Hagan, D.H., et al., 1997, "Antitumour Polycyclic Acridines, Part 1," <u>J. Chem. Soc., Perkin Trans. 1</u> , pp. 2739-2746.
	Hagan, D.H., et al., 1998, "Antitumour Polycyclic Acridines, Part 3," <u>J. Chem. Soc., Perkin Trans. 1</u> , p. 915-923.
	Harrison, R.J., et al., 1999, "Human Telomerase Inhibition by Substituted Acridine Derivatives," <u>Bioorganic &amp; Medicinal Chemistry Letters</u> , Vol. 9, pp. 2463-2468.
	Herbert, B.-S., et al., 2001, "Telomerase and Breast Cancer," <u>Breast Cancer Research</u> , Vol. 3, pp. 146-149.
	Hoffmann, S., et al., 1986, "Synthese bisbasisch-substituierter Acridine als potentielle Nucleinsaeureeffektoren," <u>Zeitschrift fur Chemie</u> , Vol. 26, No. 9, pp. 331-332.
	Julino, M., et al., 1998, "Antitumour Polycyclic Acridines, Part 5," <u>J. Chem. Soc., Perkin Trans. 1</u> , pp. 1677-1684.
	Kern, J.T., et al., 2002, "The Relationship between Ligand Aggregation and G-Quadruplex DNA Selectivity in a Series of 3,4,9,10-Perylenetetracarboxylic Acid Diimides," <u>Biochemistry</u> , Vol. 41, pp. 11379-11389.
	Kim, M.-Y., et al., 2002, "Telomestatin, a Potent Telomerase Inhibitor That Interacts Quite Specifically with the Human Telomeric Intramolecular G-Quadruplex," <u>J. Amer. Chem. Soc.</u> , Vol. 124, No. 10, pp. 2098-2099.
	Kim, N.W., et al., 1994, "Specific Association of Human Telomerase Activity with Immortal Cells and Cancer", <u>Science</u> , Vol. 266, pp. 2011-2015.
	Klopman, G., et al., 1987, "Computer-Automated Structure Evaluation of Antileukemic 9-Anilinoacridines," <u>Molecular Pharmacology</u> , Vol. 31, pp. 457-476.
	Korolev, B.A., et al., 1976, "Preparation of 2-Aminoacridan by the Reduction of 2-Amino-9-Acridanone with Diborane," <u>J. Gen. Chem. USSR (Engl. Trans.)</u> , Vol. 46, pp. 2250-2252.
	Korolev, B.A., et al., 1977, "Acridines. II. Selective Reduction of Nitro Derivatives of 2-Amino-9-Acridanone with Diborane," <u>J. Gen. Chem. USSR (Engl. Trans.)</u> , Vol. 47, pp. 2118-2122.
NR	Li, J.-L., et al., 2001, "Inhibition of the Bloom's and Werner's Syndrome Helicases by G-Quadruplex Interacting Ligands", <u>Biochemistry</u> , Vol. 40, pp. 15194-15202.

*Examiner	Date Considered	02-28-05
-----------	-----------------	----------

Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to application.

Form PTO-FB-A820 (Also PTO-1449)

<b>INFORMATION DISCLOSURE CITATION</b>	ATTY. DOCKET NO.	SERIAL NO.
	620-320	10/501,474
	APPLICANT	
(Use several sheets if necessary)	NEIDLE, S. et al.	
	FILING DATE	GROUP
	July 14, 2004	Unassigned
<b>U.S. PATENT DOCUMENTS</b>		

*EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE

**FOREIGN PATENT DOCUMENTS**

DOCUMENT	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
					YES	NO

**OTHER DOCUMENTS (including Author, Title, Date, Pertinent pages, etc.)**

NR	Lorente, A., et al., 1996, "Syntheses of Imidazole-Acridine Conjugates as Ribonuclease A Mimics," <u>Tetrahedron Letters</u> , Vol. 37, No. 25, pp. 4417-4420.
	Matsumura, K., 1929, "The Synthesis of Certain Acridine Compounds," <u>J. Amer. Chem. Soc.</u> , Vol. 51, pp. 816-820.
	Mergny, J.-L., et al., 2002, "Natural and Pharmacological Regulation of Telomerase," <u>Nucleic Acids Research</u> , Vol. 30, No. 4, pp. 839-865.
	Moisan, M., et al., 1993, "New $\alpha,\omega$ -Diamido and $\alpha,\omega$ -Diamino Mono- and Di-Bridged Acridine Dimers," <u>Monatshette fur Chemie</u> , Vol. 124, pp. 23-35.
	Neidle, S., et al., 1999, "Telomerase as an Anti-Cancer Target: Current Status and Future Prospects," <u>Anti-Cancer Drug Design</u> , Vol. 14, pp. 341-347.
	Neidle, S., et al., 2002, "Telomere Maintenance as a Target for Anticancer Drug Discovery," <u>Nature Reviews</u> , Vol. 1, May 2002, pp. 383-393.
	Parkinson, G.N., et al., 2002, "Crystal structure of parallel quadruplexes from human telomeric DNA," <u>Nature</u> , Vol. 417, 20 June 2002, pp. 876-880.
	Perry, P.J., et al., 1998a, "1,4- and 2,6-Disubstituted Amidoanthracene-9,10-dione Derivatives as Inhibitors of Human Telomerase," <u>J. Med. Chem.</u> , Vol. 41, No. 17, pp. 3253-3260.
	Perry, P.J., et al., 1998b, "Human Telomerase Inhibition by Regioisomeric Disubstituted Amidoanthracene-9,10-diones," <u>J. Med. Chem.</u> , Vol. 41, No. 24, pp. 4873-4884.
	Perry, P.J., et al., 1998c, "Telomeres and Telomerase: Targets for Cancer Chemotherapy?," <u>Exp. Opin. Ther. Patents</u> , Vol. 8, No. 12, pp. 1567-1586.
	Perry, P.J., et al., 1999a, "Design, Synthesis and Evaluation of Human Telomerase Inhibitors Based Upon a Tetracyclic Structural Motif," <u>Anti-Cancer Drug Design</u> , Vol. 14, pp. 373-382.
	Perry, P.J., et al., 1999b, "2,7-Disubstituted Amidofluorenone Derivatives as Inhibitors of Human Telomerase," <u>J. Med. Chem.</u> , Vol. 42, No. 14, pp. 2679-2684.
	Read et al., 24 April 2001, "Structure-based design of selective and potent G quadruplex-mediated telomerase inhibitors," <u>Proceedings of the National Academy of Science</u> , Vol. 98, No. 9, pp. 4844-4849.
	Read, M.A., et al., 1999, "Molecular Modeling Studies on G-Quadruplex Complexes of Telomerase Inhibitors: Structure-Activity Relationships," <u>J. Med. Chem.</u> , Vol. 42, pp. 4538-4546.
	Reddel, R.R., 2003, "Alternative Lengthening of Telomeres, Telomerase, and Cancer", <u>Cancer Letters</u> , 194, pp. 155-162.
NR	Rezler, E.M., et al., 2002, "Telomeres and Telomerases as Drug Targets," <u>Current Opinion in Pharmacology</u> , Vol. 2, pp. 415-423.

*Examiner	Date Considered	02-28-06
-----------	-----------------	----------

Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to application.

Form PTO-FB-A820 (Also PTO-1449)

